

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Vignia 22313-1450 www.uspto.gov



CONFIRMATION NO. 7745

Bib Data Sheet					
SERIAL NUMBER 10/651,103	FILING DATE 08/29/2003 RULE	CLASS 257	GROUP ART 2891	UNIT	ATTORNEY DOCKET NO. 2003_1226
APPLICANTS	·"-				
Shoriki Narita, H	lirakata-shi, JAPAN;				
Masahiko Ikeya,	i, Hirakata-shi, JAPAN , Sakai-shi, JAPAN;Tak a, Kashihara-shi, JAPA	kaharu Mae, Hirakata-s	hi, JAPAN;		
)A				
	is a DIV of 10/019,700 f PCT/JP00/04280 06/2		3,975		
** FOREIGN APPLICA JAPAN 11-1890 JAPAN 11-2937 JAPAN 11-3088 JAPAN 11-3239 JAPAN 2000-18	53 07/02/1999 02 10/15/1999 55 10/29/1999 79 11/15/1999 4467 06/20/2000	***			
** 11/20/2003					
Foreign Priority claimed 35 USC 119 (a-d) conditions met	yes \square no \square Met afte	STATE OR	SHEETS	TOTAL	. INDEPENDENT
Verified and	Allowance	COUNTRY JAPAN	DRAWING 60	CLAIMS 4	CLAIMS 4
ADDRESS 000513 WENDEROTH, LIND 8 2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021				·	
TITLE Bump forming apparato appearance semicondo charge appearance sei	us for charge appearan uctor substrate, charge miconductor substrate	ce semiconductor subs removing unit for char	strate, charge r ge appearance	emoval me semicond	ethod for charge uctor substrate, and